Michigan State University (MSU) in East Lansing, Michigan is recruiting a Director for the Mass Spectrometry and Metabolomics Core. We seek applicants for this tenure-stream Associate Professor position in the Department of Biochemistry & Molecular Biology who possess expertise in the isolation, analysis, and annotation of small molecules within complex biological matrices and/or extracts using mass spectrometry and/or complementary approaches such as NMR, x-ray crystallography, cryo-electron diffraction and/or other structural techniques including synthesis. The position will involve managerial leadership and consulting with facility users regarding best analysis practices. The ideal candidate will have core leadership experience and an established record of achievements in the novel use and/or development of mass spectrometry, with a strong publication record supported by external, competitively obtained funds. Evidence of collaboration in the annotation of novel metabolites extracted from diverse biological matrices is highly desirable. A generous startup package and modern laboratory space including dedicated instrumentation to develop novel techniques will be provided to support an independent research program that advances scientific and programmatic aims. The position may also involve undergraduate and/or graduate teaching in the candidate’s area of interest as well as graduate and postdoctoral training. Commitments to the promotion of diversity and inclusion are expected.

**MSU offers a vibrant, collegial, and collaborative environment with strengths in biochemistry and a history of leadership in mass spectrometry.**

The university is specifically interested in applicants who are eager to lead research that complement initiatives in biomedicine, plant sciences, and environmental sciences. Outstanding opportunities for collaboration are available with faculty in the Colleges of Human Medicine, Natural Science, Osteopathic Medicine, Veterinary Medicine, the MSU-DOE Plant Research Laboratory, Michigan AgBioResearch, the Great Lakes Bioenergy Research Center, the Institute for Quantitative Health Science and Engineering (IQ), Institute for Integrative Toxicology and Plant Resilience Institute, as well as associated institutions in the Grand Rapids and Ann Arbor/Detroit metro areas.

MSU hosts the recently renovated, world-class Research Technology Support Facility (RTSF) Mass Spectrometry and Metabolomics Core ([https://rtsf.natsci.msu.edu/mass-spectrometry/](https://rtsf.natsci.msu.edu/mass-spectrometry/)). It is an open-access facility that supports the independent and innovative use of mass spectrometry by established and novice investigators who interrogate biological systems. This 3400 ft² core includes 11 state-of-the-art mass spectrometers (including two new instruments purchased in 2022) and 3 full time staff that provide the expertise and infrastructure necessary for small molecule and complex chemical mixture analyses. This facility is complemented with exceptional NMR and Cryo-EM facilities for the identification and characterization of novel small molecules.

**About East Lansing, MI**

Michigan State University, a land-grant institution with more than 50,000 students, is located in East Lansing, MI. East Lansing is a vibrant college town and ranked as one of the "Top 100 Best Places to Live". It is adjacent to the city of Lansing, the state’s capital, and its international airport. MSU lies in a region rich in natural beauty with the opportunity for many outdoor activities.
Applications should be submitted electronically as a single PDF at https://careers.msu.edu/cw/en-us/job/512837/associate-professor-tenure-system (position number 824183) and include the following documents:

- Letter of interest
- Curriculum vitae, including past and current funding
- Research statement: A research statement highlighting past research accomplishments and future plans that frame the applicant’s ability to conduct independent research. This statement should include past experiences with and future plans to promote diversity, equity, and inclusion in research. (3-page limit)
- Teaching statement: A teaching statement describing the applicant’s experience in instruction and mentoring of students, including experiences or plans to create an inclusive and equitable learning environment for students. (1 page)
- Names of four references and contact information

Review of applications will begin January 9, 2023, and will continue until filled.

Additional information can be obtained from the executive assistant to the search committee at glady@msu.edu.

MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through diversity. The University actively encourages applications of women, persons of color, veterans, and persons with disabilities, and we endeavor to facilitate employment assistance to spouses or partners of candidates for faculty and academic staff positions (http://www.miwin.msu.edu/). MSU is also committed to supporting faculty with work/life balance (https://worklife.msu.edu/).